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11165R (March 2002)

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Superseding

STAR-11165R (June 2001)

RST-11165 (08/00)

GUIDE SPECIFICATION FOR CONSTRUCTION

Specification revised to meet U.S. Army Reserve requirements (June 2001)

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#### SECTION 11165R

##### DOCK BUMPERS

03/02

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NOTE: This guide specification covers the requirements for bumper guards at the base of overhead doors associated with a loading dock. This guide specification is to be used in the preparation of project specifications. Contact the Louisville District with revisions that are needed.

RST-11165 is a Louisville District Army Reserve Support Team (RST) guide specification.

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#### PART 1 GENERAL

##### 1.1 REFERENCES

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NOTE: Issue (date) of references included in project specifications need not be more current than provided by the latest change (Notice) to this guide specification.

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The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

#### AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM)

ASTM A 123	Specifications for Zinc (Hot-Dip Galvanized) on Iron and Steel Hardware
ASTM A 153	Specifications for zinc Coating (Hot-Dip) on Iron and Steel Hardware.

##### 1.2 SUBMITTALS

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NOTE: Submittals must be limited to those necessary for adequate quality control. The importance of an item in the project should be one of the primary factors in determining if a submittal for the item should be required.

Indicate submittal classification in the blank space following the name of the item requiring the submittal by using "G" when the submittal requires Government approval. Submittals not classified as "G" will show on the submittal register as "Information Only". For submittals requiring Government approval, a code of up to three characters should be used following the "G" designation to indicate the approving authority; codes of "RE" for Resident Engineer approval, "ED" for Engineering approval, and "AE" for Architect-Engineer approval are recommended.

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Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

#### SD-02 Shop Drawings

Bumper; FIO

Indicate unit dimensions, method of anchorage, and details of construction.

#### SD-03 Product Data

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NOTE: Vendor information that forms part of this guide specification is permissible to use as long as the salient features provide for "or equal" product equivalents are specified. Submittal clauses must be modified to make known that specific vendor information is being specified. If the Contractor chooses to provide the specified vendor's product, the submittal for that item is considered a For Information Only submittal. If the Contractor uses a different "or equal" item, then it will be evaluated against the salient features. Hence, it is considered for Government Approval (G).

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Acceptable Manufacturer Products; FIO

Manufacturers products listed in this specification are referenced to establish a standard of quality. When the specific product

listed is submitted by the Contractor, that submittal will be considered For Information Only. When an equal to that named in this specification is submitted, it shall be for Government Approval (G). The following manufacturer products are specifically mentioned in this specification:

Bumper: Durable Corporation; FIO  
Norwalk, Ohio  
800.537.1603  
www.durablecorp.com

Bumper: Xtreme Needs; FIO  
888.436.5683  
<http://home.rmci.net/xtreme/bumpers/laminate.html>

Bumper: Pioneer Manufacturing, Inc; FIO  
800.251.3382  
www.pioneerleveler.com

Bumper Manuf. Product submitted as an "or equal"; G [\_\_\_\_].

#### SD-08 Manufacturer's Instructions

Manufacturer's Installation Instructions; FIO

Indicate special installation requirements.

## PART 2 PRODUCTS

### 2.1 COMPONENTS

Dock Bumpers shall be high impact resistant molded or laminated rubber with angles 76.2mm x 63.5mm x 6.35mm thick 3inch x 2-1/2inch x 1/4 inch thick with 19mm rods, hot dipped galvanized (ASTM A123).

1. Width: 300mm 12 inch.
2. Vertical Height: 300mm 12 inch.
3. Length: 450mm 18 inch.

Attachment Hardware: 19 mm 3 /4inch diameter galvanized bolts and expansion shields.

Touch-up Primer: Organic zinc paint, minimum 70 percent solids content.

## PART 3 EXECUTION

### 3.1 INSPECTION

Verify that anchor placement is acceptable.

### 3.2 PREPARATION

Provide integral anchors for placement by Section 03300.

### 3.3 INSTALLATION

Install dock bumpers in accordance with manufacturer's instructions.

Set plumb and level.

Secure angle end frames to concrete.

-- End of Section --